

INTERNATIONAL SEARCH REPORT

Intern~~al~~ Application No

PCT/IB2005/050190

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L12/24 H04L29/12 H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X | US 6 614 781 B1 (ELLIOTT ISAAC K ET AL) 2 September 2003 (2003-09-02) | 1,3,5-7, 16,17,24 |
| Y | column 47, line 13 - column 49, line 17; figures 2A,2B | 2,23 |
| A | | 4,8-15, 18-23 |
| Y | US 2003/041136 A1 (CHELINE DOUGLAS A ET AL) 27 February 2003 (2003-02-27) page 2, left-hand column, paragraph 38 page 7, right-hand column, paragraph 68 - page 8, left-hand column, paragraph 72; figures 1,2 | 2,23 |
| A | US 2004/010653 A1 (GRUNDY KEVIN P ET AL) 15 January 2004 (2004-01-15) page 4, paragraph 47 - page 6, paragraph 60 | 1-24 |

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

11 April 2005

Date of mailing of the international search report

02/05/2005

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Information on patent family members

International Application No

PCT/IB2005/050190

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|-------------------------------------------|----|---------------------|----------------------------|---------------------|
| US 6614781 | B1 | 02-09-2003 | AU 1631900 A | 13-06-2000 |
| | | | CA 2352961 A1 | 02-06-2000 |
| | | | EP 1131926 A1 | 12-09-2001 |
| | | | WO 0031933 A1 | 02-06-2000 |
| | | | US 2004022237 A1 | 05-02-2004 |
| <hr/> | | | | |
| US 2003041136 | A1 | 27-02-2003 | NONE | |
| <hr/> | | | | |
| US 2004010653 | A1 | 15-01-2004 | WO 0203744 A1 | 10-01-2002 |
| <hr/> | | | | |